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IN THE CLAIMS

This is a complete and current listing of the claims, marked with status identifiers in parentheses. The following listing of claims will replace all prior versions and listings of claims in the application.

1. (Currently Amended) A method for ~~wire-free~~wireless and non-contacting power and ~~data~~information transport in systems which ~~comprise~~include fixed and moving structural parts ~~as well as~~and a three-phase motor as a drive for the moving structural parts, ~~with~~comprising:

using the three-phase motor being used in the same way for ~~wire-free~~wireless transmission of power and/or information; and

as a result of whichsupplying devices which are, arranged on the moving structural parts of the system, ~~are supplied with~~ at least one of power and/or data information.

2. (Currently Amended) The method as claimed in claim 1, ~~with~~wherein the three-phase motor ~~having~~includes a stator and a secondary part, ~~characterized in that~~and wherein the power is transmitted ~~by means of~~via the inductive coupling between the stator of the three-phase motor and the secondary part of the three-phase motor.

3. (Currently Amended) The method as claimed in claim 2, ~~characterized in that~~wherein a slip, ~~which is present between the stator and the secondary part,~~ is used ~~in order to~~ transmit power from the stator of the three-phase motor to the secondary part of the three-phase motor.

4. (Currently Amended) The method as claimed in claim 2, ~~characterized in that~~wherein an alternating current, whose

frequency is higher than the fundamental, and is preferably three times the power supply system frequency, is applied to the stator, in order to transmit power from the stator of the three-phase motor to the secondary part of the three-phase motor.

5. (Currently Amended) The method as claimed in claim 1, ~~characterized in that~~wherein the information is transmitted ~~by means of~~via inductive coupling between the stator part and the secondary part, with the data being modulated and being transmitted in the form of signals at a considerably higher frequency than the power supply system frequency.

6. (Currently Amended) An apparatus ~~for carrying out the method as claimed in claim 1 or as claimed in one of claims 2 to 6,~~ having comprising:

_____ a three-phase motor which ~~comprises~~includes a stator and a secondary part, ~~characterized in that~~wherein the stator ~~(10, 10')~~ and the secondary part ~~(20, 20')~~ respectively have three-phase windings ~~(11 to 13, 21 to 23)~~ with the same number of pole pairs and with the same pole pitch.

7. (Currently Amended) The apparatus as claimed in claim 6, ~~characterized in that~~wherein the three-phase motor is a linear motor ~~(10, 20)~~.

8. (Currently Amended) The apparatus as claimed in claim 6, ~~characterized in that~~wherein the three-phase motor is a rotating motor ~~(10', 20')~~.

9. (Currently Amended) The apparatus as claimed in claim 6, ~~characterized in that~~wherein the windings ~~(11 to 13)~~ of the stator ~~(10, 10')~~ are connected to at least one of the three-phase power supply system ~~or~~and to an associated motor controller ~~(30)~~, with the windings ~~(21 to 23)~~ of the secondary part ~~(20, 20')~~ being connected in star or delta.

10. (Currently Amended) The apparatus as claimed in claim 9, ~~characterized in that~~wherein the motor controller ~~(30)~~ is a frequency converter.

11. (Currently Amended) The apparatus as claimed in claim 10, ~~characterized in that~~wherein the free ends of the windings ~~(21 to 23)~~ of the secondary part ~~(20, 20')~~ are connected to a 6-pulse rectifier ~~(24)~~ ~~if they are~~ connected in star, and the nodes of the windings ~~(21 to 23)~~ of the secondary par~~(20, 20')~~ are connected to a 6-pulse rectifier ~~(24,)~~ ~~if they are~~ connected in delta.

12. (Currently Amended) The apparatus as claimed in ~~one of~~ claims 6 ~~to 11~~, ~~characterized in that~~wherein an energy storage element ~~(40)~~ whose energy storage state is controllable is provided for power transmission.

13. (Currently Amended) The apparatus as claimed in claim 12, ~~characterized in that~~wherein the energy storage element is a capacitor ~~(28)~~, ~~for example a so called supercap and/or a rechargeable battery.~~

14. (Currently Amended) The apparatus as claimed in ~~one of~~ claims 6 ~~to 13~~, ~~characterized in that~~wherein the voltage across the energy storage element ~~(40)~~ is kept virtually constant via a controllable switch, ~~(25)~~ independently of the power drawn and of the speed of the secondary part ~~(20, 20')~~.

15. (Currently Amended) The apparatus as claimed in ~~one of~~ claims 6 ~~to 14~~, ~~characterized in that~~wherein a coding device ~~(35)~~ is provided for transmission of data as information.

16. (Currently Amended) The apparatus as claimed in claim 15, ~~characterized in that~~wherein a control device ~~(45)~~ enables the coding device ~~(35)~~ to transmit message telegrams.

17. (Currently Amended) The apparatus as claimed in ~~one of~~

claims ~~6 to 15~~, ~~characterized in that~~wherein at least one coupling unit ~~(60, 60')~~ is provided.

18. (Currently Amended) The apparatus as claimed in claim 16, ~~characterized in that~~wherein the coupling unit ~~(60, 60')~~ has~~includes~~ a high-frequency transformer with four windings ~~(61 to 64)~~, as well as~~and~~ three coupling capacitors ~~(66 to 68)~~.

19. (Currently Amended) The apparatus as claimed in ~~one of~~ claims ~~7 to 17~~, ~~with~~wherein at least one transport vehicle ~~being~~is provided above the stator of the linear motor, ~~characterized in that~~ and wherein sensors ~~(78)~~ are provided, by ~~means of~~ which the location of the vehicle ~~(50, 50', ..., 50^{n'})~~ above the stator ~~(10, 10')~~ can be detected~~is detectable~~.

20. (New) The method as claimed in claim 2, wherein an alternating current, whose frequency is three times the power supply system frequency, is applied to the stator, in order to transmit power from the stator of the three-phase motor to the secondary part of the three-phase motor.

21. (New) An apparatus for carrying out the method of claim 1, comprising:

the three-phase motor, including a stator and a secondary part, wherein the stator and the secondary part respectively have three-phase windings with the same number of pole pairs and with the same pole pitch.

22. (New) The apparatus as claimed in claim 12, wherein the energy storage element is a at least one of a so-called supercap and a rechargeable battery.

23. (New) An apparatus, comprising:

a three-phase motor, including a stator and a secondary part, wherein the stator and the secondary part respectively

have three-phase windings with the same number of pole pairs and with the same pole pitch, and wherein the three-phase motor is useable in the same way for wireless transmission of power and information.

24. (New) The apparatus as claimed in claim 23, wherein the three-phase motor is useable as a drive for moving structural parts and for supplying devices, arranged on the moving structural parts, with at least one of power and information.